Title (en)

SYSTEMS AND METHODS FOR ISA SUPPORT FOR INDIRECT LOADS AND STORES FOR EFFICIENTLY ACCESSING COMPRESSED LISTS IN GRAPH APPLICATIONS

Title (de)

SYSTEME UND VERFAHREN FÜR ISA-UNTERSTÜTZUNG FÜR INDIREKTE LASTEN UND SPEICHER FÜR DEN EFFIZIENTEN ZUGRIFF AUF KOMPRIMIERTE LISTEN IN GRAPHENANWENDUNGEN

Title (fr)

SYSTÈMES ET PROCÉDÉS DE SUPPORT ISA POUR CHARGES INDIRECTES ET STOCKAGES POUR ACCÉDER EFFICACEMENT À DES LISTES COMPRESSÉES DANS DES APPLICATIONS GRAPHIQUES

Publication

EP 3796158 B1 20221116 (EN)

Application

EP 20181670 A 20200623

Priority

US 201916579806 A 20190923

Abstract (en)

[origin: US10929132B1] Disclosed embodiments relate to systems and methods for performing instructions to access a compressed graphic list. In one example, a processor includes fetch and decode circuitry to fetch and decode the single instruction to access the compressed graphic list, and execution circuitry to execute the decoded single instruction to cause access to the compressed graphic list by: receiving, from a load store queue, at a first op-engine associated with a first data location, an indirection request, computing, via the first op-engine, a second data location associated with a second op-engine, computing, via the second op-engine, a third data location associated with a third op-engine responsive to the indirection request, and providing, via the third op-engine, a data response to the load store queue responsive to receiving data from the third data location.

IPC 8 full level

G06F 9/30 (2018.01)

CPC (source: CN EP US)

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